

ST-REL3-KG 60/21 - Relay connectors



2821106

<https://www.phoenixcontact.com/us/products/2821106>

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Relay connector, equipped with miniature switching relay, contacts (AgNi): medium to large loads, 1 changeover contact, input voltage 60 V AC/DC, with LED display, pluggable into basic terminal blocks

The figure shows version ST-REL3-KG 24/21

Commercial data

Item number	2821106
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C460
Product key	DK6122
GTIN	4017918077020
Weight per piece (including packing)	40.78 g
Weight per piece (excluding packing)	40.59 g
Customs tariff number	85364190
Country of origin	DE

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Technical data

Product properties

Product type	Relay Module
Operating mode	100% operating factor
Mechanical service life	approx. 2×10^7 cycles

Data management status

Date of last data management	12.09.2025
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Electrical properties

Maximum power dissipation for nominal condition	0.6 W
Test voltage (Winding/contact)	2.5 kV AC (50 Hz, 1 min., winding/contact)

Input data

Coil side

Nominal input voltage U_N	60 V AC/DC
Input voltage range	48 V AC/DC ... 66 V AC/DC
Input voltage range in reference to U_N	0.8 ... 1.1
Drive and function	monostable
Typical input current at U_N	10 mA
Typical response time	7 ms
Typical release time	11 ms (with DC)
Protective circuit	Bridge rectifier, varistor
Operating voltage display	yes

Output data

Switching

Contact switching type	Single contact, 1 changeover contact
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Limiting continuous current	6 A
Maximum inrush current	8 A
Interrupting rating (ohmic load) max.	95 W (at 24 V DC) 50 W (at 48 V DC) 45 W (at 60 V DC) 35 W (at 110 V DC) 55 W (at 220 V DC) 1500 VA (for 250 V AC)

Connection data

Connection method	Plug-in connection
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Dimensions

Width	20.8 mm
Height	33 mm
Depth	66.5 mm

Material specifications

Color	green (RAL 6021)
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Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

Standards and regulations

Standards/regulations	DIN VDE 0110b, Gr. C for 250 V DC
	IEC 60255/DIN VDE 0435 (in relevant parts)
	DIN EN 50178/VDE 0160 (in relevant parts)
	EN 60730/DIN VDE 0631
	DIN VDE 0160 (in relevant parts)

Mounting

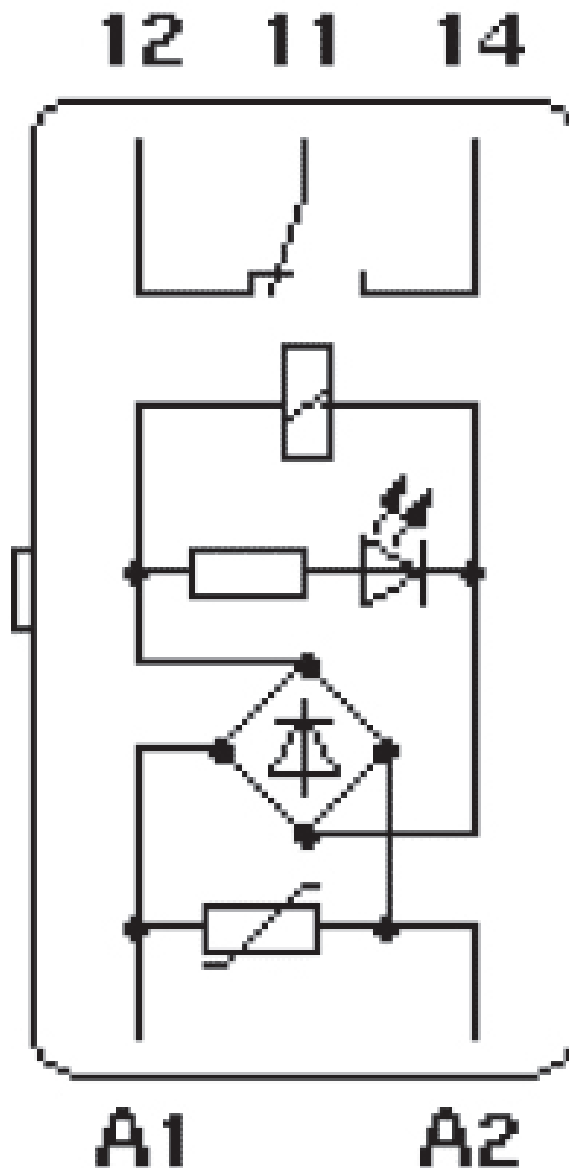
Mounting type	Plug-in mounting
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Drawings

Circuit diagram



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Classifications

UNSPSC

UNSPSC 21.0

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